

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/833258	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:54
S2	2	"6388201".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:04
S3	2	"20020030978".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 11:04
S4	2	"20030008075".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 12:18
S5	928	174/256.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 12:38
S6	78	S5 and (tantal\$2 or Ta)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 13:26
S7	5	("4800345"   "5226841"   "5227663"   "5296653").PN. OR ("5478971").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/12 13:25
S8	1745	174/262.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 13:26

## EAST Search History

S9	77	S8 and (tantal\$2 or Ta)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 13:36
S10	283	S8 and (oxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:10
S11	652343	"174"\$.ccls. or "361"\$.ccls. or "257"\$.ccls. or "438"\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:21
S12	550761	S11 and @pd<"20040101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 11:03
S13	94137	S12 and (oxide near (film\$1 or layer\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 09:30
S14	11241	S12 and (tantalum or Ta) and ((though near hole\$2) or via\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:27
S15	6102	S13 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:42
S16	306	S15 and (electro adj optical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 09:59

## EAST Search History

S17	0	S16 and (Not(silicon oxide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:40
S18	0	S16 not(silicon oxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:41
S19	3	S16 not(silicon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:41
S20	1200	S15 and (tantalum near oxide\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:43
S21	1200	S15 and (tantalum near1 oxide\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 14:43
S22	2	"5478971".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:54
S23	5	("4800345"   "5226841"   "5227663"   "5296653").PN. OR ("5478971").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/12 19:21
S24	2	"5978060".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 07:52
S25	3	("5467210"   "5805249").PN. OR ("5978060").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 08:09

## EAST Search History

S26	2	"5404044".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 08:10
S27	2	"5406034".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 08:10
S28	2	"4801489".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 08:11
S29	2	"5487218".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 08:11
S30	2	"6590165".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 08:11
S31	7	("4642160"   "4729061"   "5191174"   "5347712").PN. OR ("6590165").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 08:31
S32	4	("6124198" "6417537").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 08:49
S33	2	"20020088984".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 13:32
S34	2	"20040257787".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:59

## EAST Search History

S35	23171	174/256,257,261,262,265;361/792,794,803;29/825,829,846,852;257/748,764,784,59,72;438/618,648.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 09:28
S36	146	S35 and (corrosion same resistant same metal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 10:40
S37	7211	S35 and (oxide same (film\$1 or layer\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 09:31
S38	4266	S35 and (oxide near (film\$1 or layer\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 09:32
S39	15326	S35 and ((through near hole\$2) or hole\$2 or open\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:04
S40	70	S36 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 09:35
S41	3603	S39 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 09:34
S42	486	S38 and (electro adj optical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 10:00

## EAST Search History

S43	4	S36 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 10:00
S44	2	"20040257787".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 10:40
S45	672039	"174"\$.ccls. or "361"\$.ccls. or "257"\$.ccls. or "438"\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 11:10
S46	550851	S45 and @pd<"20040101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 11:16
S47	11270	S46 and (tantalum or Ta) and ((though near hole\$2) or via\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 11:10
S48	1892	S35 and (tantalum or Ta) and ((though near hole\$2) or via\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 11:11
S49	1045	S48 and @pd<"20040101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 11:16
S50	5	("4800345"   "5226841"   "5227663"   "5296653").PN. OR ("5478971").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:57

## EAST Search History

S51	20	("3162512"   "4424241"   "4863766"   "5133495"   "5184206"   "5206186"   "5212138"   "5236873"   "5272111"   "5447599"   "5447887"   "5656860"   "5723387"   "5925830"   "6057223"   "6159769"   "6261637"   "6271056"   "6506672").PN. OR ("7081680").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 15:39
S52	20	("20030034489" "20030042621" "20030054633" "20030116866" "5977783" "6037065" "6232212" "6696356" "6706622" "6798050").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 15:39
S53	33	("5309025"   "5547901"   "5631498"   "5668411"   "5700735"   "5707894"   "5785236"   "5795796"   "5807787"   "5834365"   "5904565").PN. OR ("6191023").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 17:39
S54	2	"20030102522".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:03
S55	23203	174/256,257,261,262,265;361/792,794,803;29/825,829,846,852;257/748,764,784,59,72;438/618,648.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:05
S56	15354	S55 and ((through near hole\$2) or hole\$2 or open\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:05
S57	3210	S56 and (Cr or chrom\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:30
S58	4276	S55 and (oxide near (film\$1 or layer\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:07

## EAST Search History

S59	487	S58 and (electro adj optical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:10
S60	300	S57 and S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:30
S61	0	S57 and (wire41)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:32
S62	1113	S57 and (wire\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:32
S63	36	S57 and (grov\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 18:33



## EAST Search History

S64	120	("4955523"   "4970571"   "4984358"   "5074947"   "5106461" "5116463"   "5137845"   "5167992"   "5196371"   "5209817" "5237130"   "5260234"   "5261593"   "5275330"   "5284796" "5293067"   "5327010"   "5334804"   "5346750"   "5355283" "5358621"   "5397921"   "5407864"   "5424245"   "5438477" "5439162"   "5447886"   "5454161"   "5454928"   "5475236" "5477933"   "5478007"   "5483421"   "5484647"   "5487218" "5489804"   "5493096"   "5508229"   "5525065"   "5536973" "5542601"   "5547740"   "5556810"   "5556814"   "5564181" "5572069"   "5576052"   "5583073"   "5595943"   "5599744" "5611140"   "5611884"   "5613296"   "5614114"   "5615477" "5619791"   "5627405"   "5627406"   "5633204"   "5637920" "5641113"   "5645628"   "5646067"   "5648686"   "5654584" "5656858"   "5663598"   "5665652"   "5666008"   "5669545" "5674785"   "5674787"   "5682061"   "5691041"   "5722162" "5723369"   "5731223"   "5736456"   "5739585"   "5744859" "5757071"   "5757081"   "5764486"   "5774340"   "5789271" "5798285"   "5801072"   "5801447"   "5803340"   "5804771" "5808360"   "5811879"   "5817541"   "5822856"   "5834844" "5861666"   "5863816"   "5870289"   "5883435"   "5925931" "5994222"   "6012224"   "6013877"   "6018196"   "6020561" "6037665"   "6046909"   "6084297"   "6084781"   "6103552" "6103992"   "6127204"   "6350386"   "6350632"   "6403460" "6406939"   "6407451").PN. OR ("6562657").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 18:53
S65	23212	174/256,257,261,262,265;361/792, 794,803;29/825,829,846, 852;257/748,764,784,59, 72;438/618,648.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 11:03

## EAST Search History

S66	4279	S65 and (oxide near (film\$1 or layer\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 11:04
S67	2715	S66 and @pd<"20040101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 13:16
S68	2	"20020088984".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 14:08
S69	23212	174/256,257,261,262,265;361/792, 794,803;29/825,829,846, 852;257/748,764,784,59, 72;438/618,648.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 14:10
S70	34	S69 and (inclin\$2 same sidewall\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 14:33
S71	2	"20020088984".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 10:11
S72	2	"20020050397".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/19 14:26